

FirstNet in California

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July 09, 2015

Beginning of FirstNet

- Middle Class Tax Relief and Job Creation Act of 2012
- Provisions to fund a national public safety broadband network
- Reallocate the 20 MHz portion of 700 MHz D Block spectrum to public safety
- The Act allocated \$7 Billion to FirstNet



The Vision

“To provide emergency responders with the first nationwide, high-speed, wireless broadband network dedicated to public safety”

FirstNet in California - By the Numbers



THE LAW

2.22.12

FirstNet becomes Law
PL 112-96

GOVERNANCE



The FirstNet Board has **15** members, including those with telecommunications and public safety backgrounds.

Each Governor appoints **1** single Point of Contact and governing body to represent the state's interests to FirstNet.

40 member Public Safety Advisory Committee (PSAC) advises FirstNet on public safety intergovernmental matters.

The **12** members of the California First Responders Network (CalFRN) board represent public safety at state, local, and tribal levels, and oversee FirstNet activities in California.

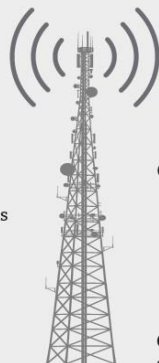
FUNDING

\$7B



authorized to build the FirstNet Network. Funded by spectrum auctions through 2022.

20MHz of bandwidth has been dedicated to public safety in the prime **700MHz** frequency range.



THE CALIFORNIA COVERAGE CHALLENGE

California first responders must protect the world's **8th** largest economy.

2,136	478	58	11
Public Safety Agencies	Incorporated Cities	Counties	Ports
3,400	450	109	
Special Districts	9-1-1 Centers (PSAPs)	Tribes	

On the nationwide level, FirstNet will provide service to **60,000** public safety agencies, **3,144** counties, and **566** federally recognized tribes in coverage areas including urban and rural.

Dividing geography into categories – dense urban, urban and suburban are where most people live, **but make up only 5% of the California's land mass.**

5%



Urban

81%



Rural

14%



Wilderness

VISION

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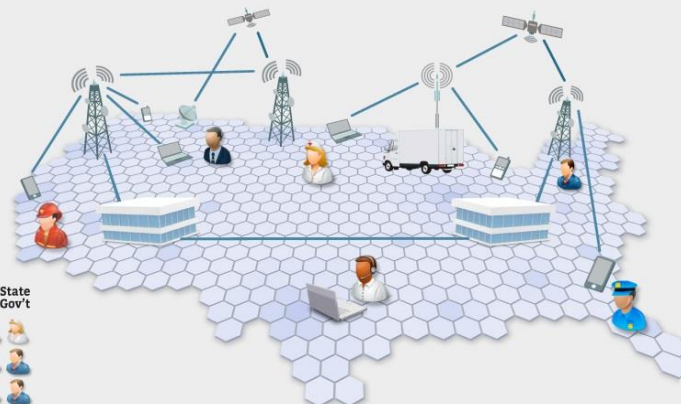
WHO WILL USE FIRSTNET?

FirstNet's goal is to ensure there is service in all **50** US states, **5** territories, and the District of Columbia. Over **5** Million potential FirstNet public safety users nationwide including over **200,000** in California.



FIRSTNET NETWORK

To meet this challenge, FirstNet is considering a network architecture using land-based cellular, satellite infrastructure and deployable systems to provide coverage.



HOW MUCH WILL IT COST?

To offer public safety grade services at a cost that's competitive and compelling to users.

– FirstNet Tenet



THE ROAD TO FIRSTNET

2014+

Strategic program roadmap
Conduct consultation
Collect data and design network
Develop and award comprehensive RFP
Establish network core

2016+

Governor reviews design offer and opts in or out of FirstNet network deployment
Integrate Next Generation 9-1-1

2022

Network substantially in operation



DCN: OES-PSBB-15-02

Major Sources
Public Law 112-96, "Middle Class Tax Relief and Job Creation Act of 2012." FirstNet is found in Title VI of PL 112-96, entitled "Public Safety Communications and Electromagnetic Spectrum Auctions."
Moore, L. (2014, March 12). The First Responder Network and Next-Generation Communications for Public Safety: Issues for Congress. Congressional Research Service R42543.

This poster was prepared by SAIC under contract with Cal OES using funds under award 06-10-813006 from the National Telecommunications and Information Administration (NTIA), U.S. Department of Commerce (DOC). The statements, findings, conclusions, and recommendations are those of the author(s) and do not necessarily reflect the views of the NTIA, DOC, or FirstNet.

For more FirstNet facts visit: www.firstnet.gov

FirstNet Challenges

- Never been done before
- Must serve urban, rural and tribal
- Who is a First Responder/Second Responder/Tertiary Responder
- Infrastructure
- Self Sustaining Network based on Subscriber Fees
- FirstNet currently working on network specifications as well as public safety applications

California Challenges

- Geography and Topology
- California's diverse needs with urban, rural, and tribal
- Infrastructure
- Integration into the Next Generation of 9-1-1



Prepare California for FirstNet

Three simultaneous steps with FirstNet

- Business Requirements
- Consultation
- Technical – network/devices/etc

State and Local Implementation Grant Program (SLIGP)

- August 19, 2013 California Received Phase 1 Grant Funding
 - California's total grant award is \$7,095,983
 - Science Application International Corp (SAIC) was awarded the outreach contract



California's First Responder Network (CalFRN) Board of Directors

Includes, 12 Representatives from:

- CA Point of Contact – Chairperson
- CA Department of Technology
- CA Department of Forestry and Fire Protection
- California Highway Patrol
- CA Governor's Office Tribal Advisor
- Emergency Medical Services Authority Association
- BayRICS
- LA-RICS
- CA Sheriffs Association
- CA Police Chiefs Association
- CA Fire Chiefs Association
- CA Department of Transportation



California's Plan

Leverage Broadband Initiatives – Networks

- California Public Utilities Commission – State Broadband Initiative
- LA-RICS (Regional Interoperable Communications System) Received \$150m of Broadband Technology Opportunity Program (BTOP) grant funding
- Next Generation of 9-1-1
- Partnering with Western States



Stakeholder Outreach

A survey sent out July 31, 2014

- A FirstNet Survey sent to approximately 3,000 public safety stakeholders

Town Hall Meetings

- Lake County, July 16, 2014 *Video is available
- Bakersfield, August 13, 2014 *Video is available
- Fairfield, September 24, 2014*Video is available
- Santa Ana, September 30, 2014*Video is available
- Sacramento, November 30, 2014 *Video is available
- Humboldt, January 28, 2015 *Video is available
- San Jose, March 02, 2015 *Video is available

Workshop

- Sacramento - August 26th
- Diamond Bar – October 1st

Next Steps:

How can you Get Involved

Engage with the State's Outreach Opportunities

- CalFRN Board Meetings can be viewed on the OES Website
- Participate in the Upcoming State Consultation with FirstNet
- Participate in the FirstNet RFI's and other Proceedings
- Stay Connected

Contact Information

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- CalFRN contact information email CalFRN@caloes.ca.gov or call (916) 657-9695
- CalOES Website @ <http://www.calema.ca.gov/PSC/Pages/psc.aspx>